

Special Issue

Energy Sustainability: Research and Application in Energy Thermal Conversion and Heat Transfer

Message from the Guest Editor

The aim of this Special Issue is to gather cutting-edge research focused on the study and application of energy thermal conversion and heat transfer, with a strong emphasis on sustainability. The topics align with *Sustainability's* core mission of advancing sustainable technologies, particularly in energy systems. This Special Issue will contribute to the journal's objective of promoting research that supports the United Nations' Sustainable Development Goals (SDGs), particularly in energy efficiency (SDG 7) and climate action (SDG 13). In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Innovations in thermal energy conversion technologies;
- Advanced materials and methods for enhanced heat transfer;
- Sustainable heating, ventilation, and air conditioning (HVAC) systems;
- Energy recovery and storage through thermal processes;
- Applications of nanotechnology in heat transfer enhancement;
- Thermodynamic optimization in renewable energy systems;
- Waste heat recovery and its integration into energy grids.

We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2025)



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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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